

**AMENDMENTS TO THE CLAIMS**

1. - 20. (Canceled)

21. (Currently Amended) An isolated nucleic acid selected from the group consisting of ~~X nucleotides wherein the sequence of the nucleic acid comprises:~~

- (a) ~~Y consecutive nucleotides of SEQ ID NO: 5264;~~
- (b) ~~(a) Z nucleotides of nucleotides 51-69 of SEQ ID NO: 2194; and~~
- (c) ~~a sequence at least 73.7% identical to (b); or~~
- (d) ~~(b) the complement of any one of (a)-(c), wherein the complement is identical in length to (a)~~

~~wherein,~~

~~Y≥24,~~

~~Z=18 or 19, and~~

~~X=18 to 120.~~

22. (Currently Amended) ~~The~~ An isolated nucleic acid of claim 21, wherein ~~X=Y~~ selected from the group consisting of:

- (a) SEQ ID NO: 5264; and
- (b) the complement of (a), wherein the complement is identical in length to (a).

23. (Currently Amended) ~~The~~ An isolated nucleic acid of claim 21, wherein ~~X=Z~~ selected from the group consisting of:

- (a) a sequence at least 77.3% identical to SEQ ID NO: 5264; and
- (b) the complement of (a), wherein the complement is identical in length to (a).

24. - 32 (Canceled)

33. (Previously Presented) A vector comprising the nucleic acid of claim 21.

34. (Previously Presented) A vector comprising the nucleic acid of claim 22.

35. (Previously Presented) A vector comprising the nucleic acid of claim 23.

36. - 44 (Canceled)

45. (New) A probe comprising the nucleic acid of claim 21.

46. (New) A probe comprising the nucleic acid of claim 22.

47. (New) A probe comprising the nucleic acid of claim 23.